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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
Minoru MIYAZAKI et al.) Examiner: Calvin Lee
Serial No. 10/620,420) Group Art Unit: 2825
Filed: July 17, 2003)
For: ELECTRONIC CIRCUIT) Confirmation No. 9616

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
220 20th Street S.
Customer Window, Mail Stop _____
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The undersigned certifies that either (1) each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in connection with a counterpart foreign application not more than three (3) months prior to the filing of this statement, or (2) no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

The documents noted on the attached PTO-1449 were previously cited in an Office Action in counterpart Japanese Patent Application No. 5-23289 mailed on June 22, 2004.

The Commissioner is authorized to charge the amount of \$180.00 to Deposit Account No. 19-2380 (740756-2624) in compliance with the provisions of 37 C.F.R. § 1.97(c)

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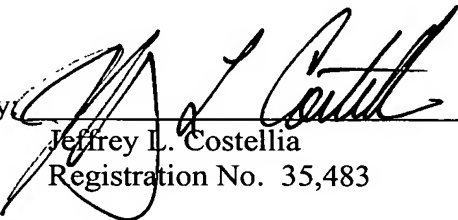
W325012.1

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380. (740756-2624)

Respectfully submitted,

By



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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/620,420
		Filing Date	July 17, 2003
		First Named Inventor	Minoru MIYAZAKI
		Art Unit	2825
		Examiner Name	Calvin Lee
Sheet 1 of 1	Attorney Docket Number	740756-2624	

U.S. PATENT DOCUMENTS					
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP-04-048780	02/18/1992	Fujimagari et al.		Abstract
		JP-04-116821	04/17/1992	Sekine		Abstract
		JP-04-099326	03/31/1992	Oguchi		Abstract
		JP-04-092430	03/25/1992	Oguchi		Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Office Action of Counterpart Japanese Patent Application No. 5-23289 with English Translation (Mailed June 22, 2004)	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.